DECLARATION

AS A BELOW NAMED INVENTOR, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name.

I believe that I am the original, first and sole (*if only one name is listed below*), or an original, first and joint inventor (*if plural names are listed below*), of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE: SYSTEMS AND METHODS FOR PROVIDING OFF-LINE DECISION SUPPORT FOR CORRELATION ANALYSIS

the specification of which is attach	ed hereto or indicates ar	attorney docket no. YOR920010746US1, or:
☐ was filed in the U.S. Patent & T	rademark Office on	and assigned Serial No,
\square and (if applicable) was amended	d on	
as amended by any amendment refand to the examination of this appl priority benefits under Title 35, U. or \$365(a) of any PCT international	erred to above. I acknown ication in accordance we S. Code §119(a)-(d) or §1 application which design (s), listed below and he	the contents of the above-identified specification, including the claims, yledge the duty to disclose information which is material to patentability ith Title 37, Code of Federal Regulations §1.56. I hereby claim foreign 365(b) of any foreign application(s) for patent or inventor's certificate, mated at least one country other than the United States, or §119(e) of any are also identified below any foreign applications for patent or inventor's non which priority is claimed:
confined having a ming date ook	no that or the approximation	Priority Claimed: Yes [] No[]
(Application Number)	(Country)	(Day/Month/Year filed)
Total		Yes [] No[]
(Application Number)	(Country)	(Day/Month/Year filed)
International application designation application is not disclosed in the partier application of Title 35. ILS. Code 8	ng the United States, list e prior United States or 112, I acknowledge the 1.56 which became avai	ode §120, of any United States application(s), or §365(c), of any PCT and below and, insofar as the subject matter of each of the claims of this PCT International applications(s) in the manner provided by the first duty to disclose information material to patentability as defined in Title clable between the filing date of the prior application and the national or
(Application Serial Number)	(Filing Date)	(STATUS: patented, pending, abandoned)
(Application Serial Number)	(Filing Date)	(STATUS: patented, pending, abandoned)

I hereby appoint the following attorneys: MANNY W. SCHECTER, Reg. No. 31,722; LAUREN C. BRUZZONE, Reg. No. 35,082; CHRISTOPHER A. HUGHES, Reg. No. 26,914; JOHN E. HOEL, Reg. No. 26,279; JOSEPH C. REDMOND, JR., Reg. No. 18,753; STANLEY B. GREEN, Reg. No. 24,351; STEPHEN C. KAUFMAN, Reg. No. 29,551; ROBERT M. TREPP, Reg. No. 25,933; LOUIS P. HERZBERG, Reg. No. 41,500; DANIEL P. MORRIS, Reg. No. 32,053; PAUL J. OTTERSTEDT, Reg. No. 37,411; LOUIS J. PERCELLO, Reg. No. 33,206; DOUGLAS W. CAMERON, Reg. No. 31,596; MARIAN UNDERWEISER, Reg. No. 46,134; RICHARD M. LUDWIN, Reg. No. 33,010; MARC A. EHRLICH, Reg. No. 39,966; ROBERT P. TASSINARI, JR., Reg. No. 36,030; DEREK S. JENNINGS, Reg. No. 41,473; GAIL H. ZARICK, Reg. No. 43,303; and TIMOTHY M. FARRELL, Reg. No. 37,321; each of them of INTERNATIONAL BUSINESS MACHINES CORPORATION, Thomas J. Watson Research Center, P.O. Box 218, Yorktown Heights, New York 10598; to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith and with any divisional, continuation, continuation-in-part, reissue or re-examination application, with full power of appointment and with full power to substitute an associate attorney or agent, and to receive all patents which may issue thereon, and request that all correspondence be addressed to:

William E. Lewis RYAN, MASON & LEWIS, LLP 90 Forest Avenue Locust Valley, NY 11560

Tel.: (516) 759-2946

I HEREBY DECLARE that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 U.S. Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF FIRST OR SOLE I	Citizenship		
		Date:	
Residence & Post Office address:			
FULL NAME OF SECOND JOINT I	NVENTOR: Joseph L. Hellerstein	Citizenship	U.S.A.
Inventor's signature:		Date:	
Residence & Post Office address:	41 Wolden Road Ossining, New York 10562		
FUE NAME OF THIRD JOINT IN	Citizenship	P.R. China	
Inventor's signature:		Date:	
Residence & Post Office address:	13 Justine Court Briarcliff Manor, NY 10510		
FULL NAME OF FOURTH JOINT	INVENTOR: Chang-Shing Perng	Citizenship _	P.R. China
Inventor's signature:		Date:	<u> </u>
Residence & Post Office address:	•		